

5882856

SEQ IDNO:	Cystic Fibrosis Transmembrane Regulator (CFTR) Exon Intron	15-plex Size (bp)	15-plex IDNO:	Gaucher's (GCR) and Sickle Cell Anemia (SCA) 4-plex Exon	Size (bp)
1	AGG CTT CTT AGT GAT CTG TTG	440	37	GCR Primer Sequences GGG TGG GAG GGT GGA GGC TAA TGG	401
2	GAA TCA TTC AGT GGG TAT AAG CAG		38	CCA GAA GGT AGA AAG GTG AG	
3	GCC CGA CAA ATA ACC AAG TGA	410	39	GAA TGT CCC AAG CCT TTG A	358
4	AGT CTA ACA AAG CAA GCA GTG		40	AAG CTG AAG CAA GAG AAT CG	
5	TGA TGG TAA GTA CAT GGG TG	381	41	TGC AAC TAC TGA GGC ACT T	319
6	CAA AAG TAC CTG TTG CTC CA		42	TAC AAT GAT GGG ACT GTC G	
7	CTT CTA ATG GTG ATG ACA GCC T	335	43	SCA Primer Sequences CAT TTG CTT CTG ACA CAA CTG	124
8	CCA CTG AAA ATA ATA TGA GGA AAT		44	CCA ACT TCA TCC ACG TTC ACC	
9	AGG TAG CAG CTA TTT TTA TGG	295	45	GCR and Tay-Sachs (TS) 3-plex GCR TGC CCT GAA CCC CGA A	871
10	TAA GGG AGT CTT TTG CAC AA		46	CTG ACT CTG TCC CTT TAA TGC CCA	
11	TGT AGG AAG TCA CCA AAG	267	47	TS Primer Sequences GTG TGG CGA GAG GAT ATT CCA	530
12	CGA TAC AGA ATA TAT GTG CC		48	TGG CTA GAT GGG ATT GGG TCT	
13	GGG GTC CAA TTT TCA CTC ATC TTG	245	49	GGG TCC TAC AAC CCT GTC ACC CAC	190
14	AGT TAA TGA GTT CAT AGT ACC TGT T		50	AAG CTT CAC TCT GAG CAT AAC AAG	
15	AGA TAC TTC AAT AGC TCA GCC	220	51	B-thalassemia Primer Sequences GCT GTC ATC ACT TGG ACC TC	1612
16	GAT ACA TTA CCT GTA TTT TGT TT		52	GCA AGA AAG CGA GCT TAG TG	
17	CAG ATT GAG CAT ACT AAA AGT G	200			
18	TAC ATG AAT GAC ATT TAC AGC A				
19	GAG CCT TCA GAG GGT AAA AT	175			
20	TCA CAT AGT ATC TTA CCT CT				

FIG. 1A

SEQ IDNO:	Exon	Size (bp)	SEQ IDNO:	WT-1 Primer Sequences	Name	Size (bp)
21 AAG AAC TGG ATC AGG GAA GA	20	155	53	CTG AGT GAA TGG AGC GGC		204
22 TCC TTT TGG TCA CCT GTG GT			54	GGG TGA ATG AGT AGG TGG		
23 GCT GTC AAG CCG TGT TCT A	5	132	55	CGG TGC TGG ACT TTG CG	F	186
24 GTA TAA TTT ATA ACA ATA GTG CC			56	AAG TGG ACA GTG AAG GCG		
25 TTG GTT GTG CTG TGG CTC CT	14b	110	57	CGG TCT TGC GAG AGC ALC	H*	262
26 ACA ATA CAT ACA AAC ATA GTG G			58	CTA ATT TGC TGT GGG TTA GG		
27 GAC TCT CCT TTT GGA TAC CTA	12	90	59	AGT TGT GTA TAT TTG TGG TTA TG	J	167
28 GCA TGA GCA TTA TAA GTA AGG			60	GTT ACT GTG GAA AGG CAA TG		
29 GGC GAT GTT TTT TCT GGA GA	3	70	61	GAG ATC CCC TTT TCC AG	N*	176
30 ACA ATT GAG ATC CTT ACC CC			62	CAC AGC TGC CAG CAA TG		
CFTR Exon 21 Primer Sequences	Name	Size (bp)	63	CTC ACT GTG CCC ACA TTG	O*	211
31 CAA GTG AAT CCT GAG CTT GAT TT	SS#1	477	64	CAA TTT CAT TCC ACA ATA G		
32 CAA AAG TAC CTG TTG CTC CA						
33 GAA CTT GAT GGT AAG TAC ATG GGT G	SS#2	389				
34 ACT CAA AAG TAC CTG TTG CTC CAG						
35 TGA TGG TAA GTA CAT GGG TG	SS#3	381				
36 CAA AAG TAC CTG TTG CTC CA						

* Reported previously by Varanasi et al 1994.
 ** Reported previously by Navon & Proia 1989.
 *** Reported previously by Tanaka et al 1990.

NOTE:
 Amplicon sizes Increase by 40bp for chimeric primers.

FIG. IB

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

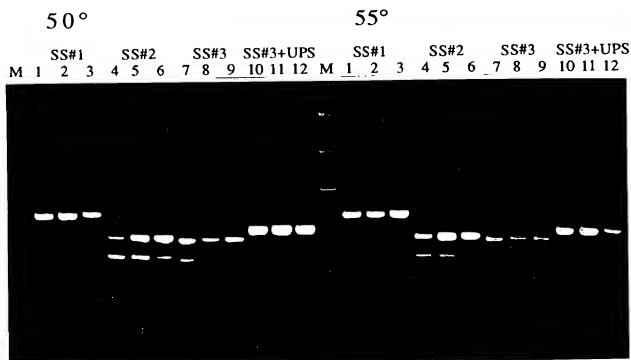


FIG. 2A

FIG. 2B

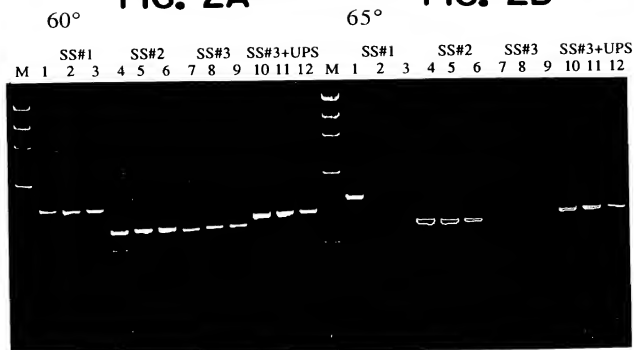


FIG. 2C

FIG. 2D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		.

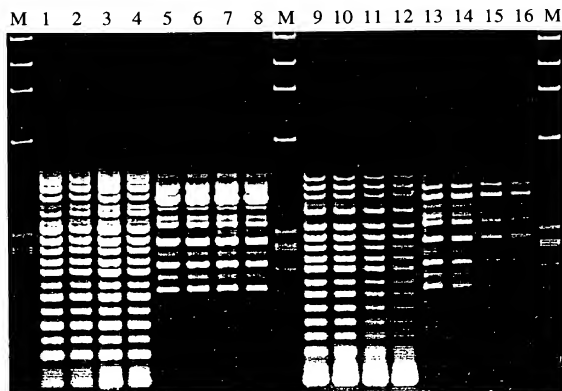


FIG. 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		*

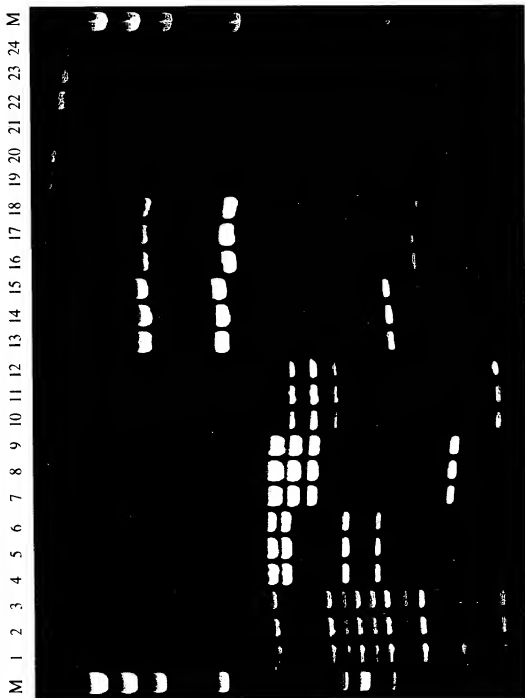


FIG. 4

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

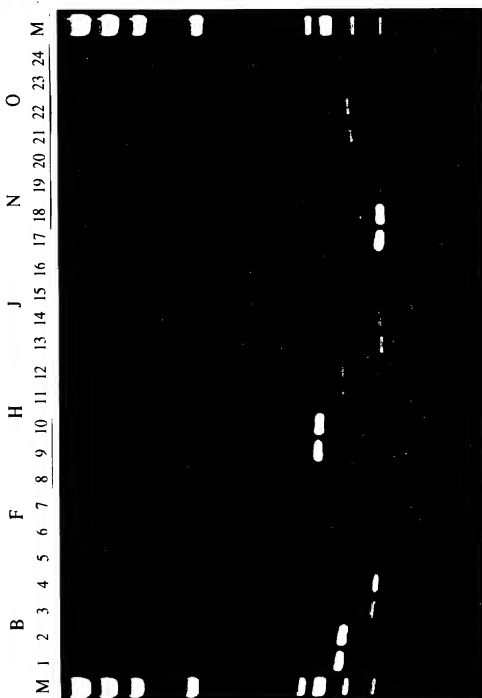


FIG. 5